



Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 *** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	166

R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1/4" minimum to 3/8" maximum HMA thickness)

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

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LEVEL	BY	DATE	DESCRIPTION
1	MAB	3/8/13	REVISED PER IDA COMMENTS

CHAMLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

MORRIS AIRPORT ACCESS ROAD
 CITY OF MORRIS, GRUNDY COUNTY, ILLINOIS

STEEL RAILING, TYPE SM
 STRUCTURE NO. 032-7013
 SHEET NO. 5 OF 10 SHEETS

APPROVED FOR CONSTRUCTION
 CURRENT AS OF: 3/8/13
 SCALE: AS NOTED SHEET 26
 FILE NO.: 1002.86 OF 38